

ATENT COOPERATION TREATY



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	(PCT Article 30 a				
Applicant's or agent's file reference 2002DE435	FOR FURTHER ACTIO	ON	See Form PCT/IPEA/416		
nternational application No. PCT/EP2003/011697	İnternational filing date (da 22 October 2003 (2		Priority date (day/month/year) 30 October 2002 (30.10.2002)		
International Patent Classification (IPC) or r A01N 25/30	national classification and IP	С			
Applicant	CLARIANT GM	IBH et al.			
This report is the international prel- Authority under Article 35 and tran	iminary examination report, nsmitted to the applicant according	established by this ording to Article 3	s International Preliminary Examining 6.		
2. This REPORT consists of a total o	of sheets, inc	cluding this cover	sheet.		
This report is also accompanied by	ANNEXES, comprising:		6.11		
a. (sent to the applicant ar	nd to the International Burea	u) a total of	sheets, as follows:		
and/or sheets co	ontaining rectifications authorized authoriz	orized by mis Aud	been amended and are the basis of this report hority (see Rule 70.16 and Section 607 of the		
beyond the disc	closure in the international a	pplication as med	ity considers contain an amendment that goes it, as indicated in item 4 of Box No. I and the		
b. (sent to the Internative Instruction of the Internation of the Inte	s indicated in the Supplement	al of (indicate ng a sequence list ntal Box Relating	type and number of electronic carrier(s)) ting and/or tables related thereto, in computer to Sequence Listing (see Section 802 of the		
This report contains indications r	relating to the following item	s:			
Box No. I Basis of the	Box No. I Basis of the report				
Box No. II Priority	rity				
· —					
Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industria					
citations a	and explanations supporting s	such statement	ovoity, involutive step of the second		
Box Ito.	ocuments cited				
	efects in the international app				
Box No. VIII Certain of	bservations on the internation	nal application			
Date of submission of the demand		Date of completi	on of this report		
19 May 2004 (19.	05.2004)		26 July 2004 (26.07.2004)		
Name and mailing address of the IPEA	/EP	Authorized offic	cer		
•		1			



International application No.

PCT/EP2003/011697

BOX NO. 1	I Ba	asis of the report	
1. With re	egard to vise indi	the language, this report is based on the international application in the language in which it was filed, unless cated under this item.	
	This rewhich i	port is based on translations from the original language into the following language, is language of a translation furnished for the purpose of:	
i	in	aternational search (under Rules 12.3 and 23.1(b))	
	D pu	ublication of the international application (under Rule 12.4)	
	in	ternational preliminary examination (under Rules 55.2 and/or 55.3)	
jurnish and are t t t t t t t t t t t t t t t t t t t	re not an. The interthe descripages* pages* the claim pages pages* pages* the daim pages pages* the daim pages pages*	1-12 , as originally filed/furnishe received by this Authority on received by this Authority on ns: 1-15 , as originally filed/furnishe , as amended (together with any statement) under Article 1 received by this Authority on received by this Authority on	- - d
_	pages _	, as originally filed/furnishe	đ
•	pages*_	received by this Authority on	_
- F	pages* _	received by this Authority on	_
	a sequen	nce listing and/or any related table(s) see Supplemental Box Relating to Sequence Listing.	
3. 🔲 7	The ame	endments have resulted in the cancellation of:	
	the	e description, pages	
	the	e claims, Nos.	
	the	e drawings, sheets/figs	
	the	e sequence listing (specify):	
		ny table(s) related to sequence listing (specify):	
11	(Rule 70	ort has been established as if (some of) the amendments annexed to this report and listed below had not been ince they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box 0.2(c)). e description, pages	
Ī		e sequence listing (specify):	
İ		y table(s) related to sequence listing (specify):	
		, the second to sequence storing (opecity).	
* If item	4 applie	es, some or all of those sheets may be marked "superseded."	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Intermal application No.
PCT/EP 03/11697

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	1-15	YES
		Claims		NO
	Inventive step (IS)	Claims	1-15	YES
·	Claims		NO	
	Industrial applicability (IA)	Claims	1-15	YES
		Claims	_	NO

2. Citations and explanations

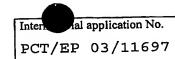
None of the prior art documents cited in the international search report (ISR) discloses a composition containing one or more pesticides and a polyamine compound of formula (I).

The advantageous properties (page 6, lines 5-16 and page 12, first paragraph) of the alkoxylated (ethylene/propylene)-N-alkyl-polyamines of formula (I) as a surfactant for water-soluble pesticides, in particular glyphosate, also cannot be found in the search report citations:

DE 40 19 362 A1 (D1) and WO 02/43492 A1 (D4) disclose alkoxylated propylene-N-alkyldiamines. In contrast thereto, the polyamines used according to the invention have at least four amino groups and two long-chained alkyl groups at the terminal N.

JP 60 075 324 A (D2) discloses alkoxylated polyethylene polyamines without long-chained alkyl substituents. D2 also does not suggest a possible use with pesticides. EP 417 896 A1 (D3) discloses alkoxylated polyethylene polyamines with, optionally, 1-3 C1-C4 alkyl substituents at the N atom, but does not provide an example of such a substitution. Furthermore, the polyamine surfactants do not have any propylene groups like the compounds used





according to the invention and must be used with partially esterified polyalcohols such as sorbitan.

WO 96/32839 A2 (D5) discloses ether(mono)amine surfactants for glyphosate formulations.

The subject matter of claims 1 to 15 is therefore novel and involves an inventive step (PCT Article 33(2) and (3)).

The invention is clearly industrially applicable (PCT Article 33(4)).